

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
 US Department of Commerce  
 United States Patent and Trademark  
 Office, PCT  
 2011 South Clark Place Room  
 CP2/5C24  
 Arlington, VA 22202  
 ETATS-UNIS D'AMERIQUE  
 in its capacity as elected Office

<b>Date of mailing (day/month/year)</b> 06 November 2000 (06.11.00)	
<b>International application No.</b> PCT/US00/04216	<b>Applicant's or agent's file reference</b> 14112/187003
<b>International filing date (day/month/year)</b> 18 February 2000 (18.02.00)	<b>Priority date (day/month/year)</b> 18 February 1999 (18.02.99)
<b>Applicant</b> PRESSLY, William, B., S., Sr. et al	

1. The designated Office is hereby notified of its election made:



in the demand filed with the International Preliminary Examining Authority on:

18 September 2000 (18.09.00)



in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO  
 34, chemin des Colombettes  
 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

Charlotte ENGER

Telephone No.: (41-22) 338.83.38

## INTERNATIONAL SEARCH REPORT

International application No.

US00/04216

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61M 5/00, 32

US CL : 604/110, 195

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 604/110, 187, 192, 195, 197, 198, 218, 220, 225, 226, 263

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	US 5,843,034 A (REDFERN et al.) 01 December 1998, see entire dSocument.	1-4, 9-13
X	US 5,267,976 A (GUERINEAU et al.) 07 December 1993, see entire document..	1-4, 9-13
Y,E	US 5,902,269 A (JENTZEN) 11 May 1999, entire document.	1-13
Y	US 5,336,198 A (SILVER et al.) 09 August 1994, entire document.	1-13
Y	US 5,304,137 A (FLUKE) 19 April 1994, entire document.	1-13
Y	US 3,974,832 A (KRUCK) 17 August 1976, entire document.	1-13

☐

Further documents are listed in the continuation of Box C.

☐

See patent family annex.

* Special categories of cited documents.	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

26 APRIL 2000

Date of mailing of the international search report

30 MAY 2000

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

FOR DAVID J. CHO

Telephone No. (703) 308-0073

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> : A61M 5/00, 5/32	A1	(11) International Publication Number: WO 00/48651
		(43) International Publication Date: 24 August 2000 (24.08.00)

(21) International Application Number: PCT/US00/04216  
(22) International Filing Date: 18 February 2000 (18.02.00)

(30) Priority Data:  
60/120,622 18 February 1999 (18.02.99) US

(71) Applicant (for all designated States except US): SYRINGE DEVELOPMENT PARTNERS L.L.C. [US/US]; 1675 Lakes Parkway, Suite 150, Lawrenceville, GA 30043 (US).

(71)(72) Applicant and Inventor: PRESSLY, William, B., S., Sr. [US/US]; 112 Caedmon Court, Greer, SC 29650 (US).

(72) Inventors; and

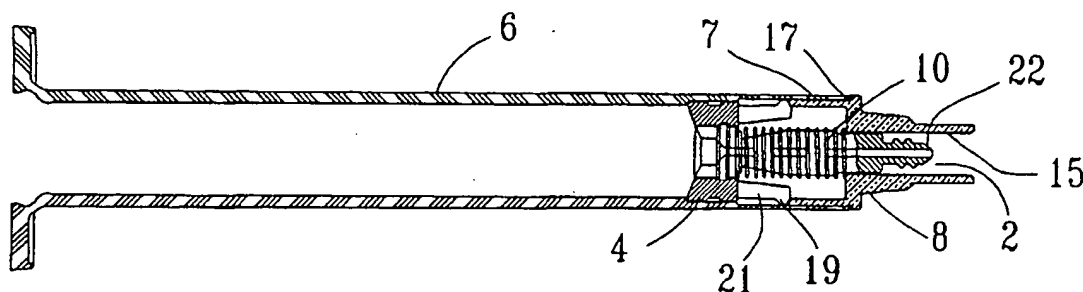
(75) Inventors/Applicants (for US only): BROCKWAY, G., Samuel [US/US]; P.O. Box 1181, Lawrenceville, GA 30246 (US). VAUGHN, Charles, A., Sr. [US/US]; 2757 Meadow Forest Drive, Duluth, GA 30136 (US). ELLIS, Thomas, R. [US/US]; 238 Mill Ridge Court, Lawrenceville, GA 30245 (US).

(74) Agents: PRATT, John, S. et al.; Kilpatrick Stockton LLP, Suite 2800, 1100 Peachtree Street, Atlanta, GA 30309-4530 (US).

(81) Designated States: CA, JP, US, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published  
With international search report.

(54) Title: INTERCHANGEABLE NEEDLE SAFETY SYRINGE



(57) Abstract

The present invention is a safety syringe for use with a plurality of interchangeable needles. The plurality of needles may be inserted by the user into the safety syringe for use. In operations, the user selects the desired needle, e.g., a needle having a particular gauge or size or of a particular type. The user inserts the needle (14) into a safety syringe (10) comprising a barrel (6), a needle assembly area (18) located within or attached to the barrel and a plunger (66). The needle couples to the syringe by a number of means. For instance, a locking mechanism (20, 22) may be used by which a needle hub located within the needle assembly has an area adapted to mate with a corresponding area on the needle. Or, the needle may be formed as part of a separate needle assembly, whereby the user will place the entire needle assembly onto the end of the syringe barrel. During use, the user operates the syringe like other safety syringe, using one hand to depress the plunger, which ultimately causes a spring to propel the needle into the barrel of the syringe.

<b>FOR UTILITY PATENT APPLICATION</b> <b>37 C.F.R. § 1.63</b>		Attorney Docket No. <b>14112/187003</b>		
<input type="checkbox"/> Declaration submitted with Initial filing <input checked="" type="checkbox"/> Declaration submitted after Initial Filing (Surcharge (37 CFR 1.16(e)) required)		First Named Inventor <b>William B.S. Pressly, Sr.</b>		
		<b>COMPLETE IF KNOWN</b>		
		Application Number Filing Date Group Art Unit Examiner Name		

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**INTERCHANGEABLE NEEDLE SAFETY SYRINGE**

the specification of which (check only one item below):

☐ is attached hereto  
☐ was filed as United States Application Serial No. \_\_\_\_\_ on \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).  
☒ was filed as PCT International Application Number PCT/US00/04216 on 18 February 2000 and was amended under PCT Article 19 on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability as defined in 37 CFR 1.56.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Claimed	Certified Copy Attached?
			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)
60/120,622	10 May 2000

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s) or PCT international application(s) designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application(s) and the national or PCT international filing date of this application:

U.S. APPLICATIONS		STATUS (Check One)		
U.S. Application Number	U.S. Filing Date (MM/DD/YYYY)	Patented	Pending	Abandoned

PCT APPLICATIONS DESIGNATING THE U.S.		
PCT Application No.	PCT Filing Date	U.S. Serial Numbers Assigned (if any)

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(List name and registration number)*  
 Roger T. Frost 22,176; Charles Y. Lackey 22,707; Anthony B. Askew 24,154; John M. Harrington 25,592; Robert E. Richards 29,105; Donald R. Andersen 28,280; John S. Pratt 29,476; A. Jose Cortina 29,733; James L. Ewing, IV 30,630; Stephen M. Schaezel 31,418; James D. Johnson 31,771; Charles W. Calkins 31,814; Larry A. Roberts 31,871; Jamie L. Greene 32,467; George T. Marcou 33,014; Dean W. Russell 33,452; Richard T. Peterson 35,320; Charles T. Simmons 35,539; Tracy W. Druce 35,493; Eleanor M. Musick 35,623; Nora M. Tocups 35,17; Bruce D. Gray 35,799; Theodore R. Harper 35,890; Geoff L. Sutcliffe 36,348; Dean W. Russell 33,452; Leona G. Young 37,266; David P. Lecroy 37,869; Suzanne Seavello Shope 37,933; Mitchell G. Stockwell 39,389; Jeffrey B. Arnold 39,540; Suil Kang 39,723; Mary Anthony Merchant 39,771; Brenda Ozaki Holmes 40,339; Lisa J. Moyles 40,737; Michael J. Turton 40,852; Yoncha L. Kundupoglu 41,130; Scott Zimmerman 41,390; Alana G. Kriegsman 41,747; Theodore M. Green 41,801; J. Steven Gardner 41,773; Joni Stutman 42,173; Heather D. Carmichael 42,389; Thomas A. Corrado 42,439; John K. McDonald 42,860; Sima Singadia Kulkarni 43,742; Camilla C. Williams 43,992; Christopher J. Chan 44,070; Li K. Wang 44,393; John W. Ball, Jr. 44,433; Dawn-Marie Bey 44,442; Tiep H. Nguyen 44,465; John M. Briski 44,562; Michael J. Dimino 44,657; Kristin L. Johnson 44,807; J Jason Link 44,874; Paul E. Knowlton 44,842; Cheryl L. Huseman 45,392; Shelby B. Grier 45,785; Jennifer R. Seng 45,851; Vaibhav P. Kadaba 45,865; Greg Moldafsky 46,514; J. Michael Boggs 46,563; Michael K. Dixon 46,665; Tywanda L. Harris 46,758; Kristin D. Mallatt 46,895; Cynthia R. Rothschild 47,040; John C. Alemanni 47,384; Geoffrey K. Gavin 47,591; Janina Malone 47,768; Robert M. Stevens 47,972

I acknowledge the above-listed attorneys and agents and their firm Kilpatrick Stockton LLP represent my employer (if I am an employee and this application has been or will be assigned to my employer) or the entity with which I have contracted (if I am an independent contractor and this application has been or will be assigned to such entity) and in such cases do not represent me individually. I further acknowledge I have not established, nor will I seek to establish, any personal attorney/client relationship with Kilpatrick Stockton LLP in connection with this application and understand that, should I require legal representation, I will obtain such, at my expense, other than through Kilpatrick Stockton LLP.

Send Correspondence to: John S. Pratt, Esq.  
 Kilpatrick STOCKTON LLP  
 1100 Peachtree Street, Suite 2800  
 Atlanta, GA 30309-4530  
 Phone: (404) 815-6367  
 Fax: (404) 815-6555

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

Name of Sole or First Inventor:	<b>William B.S. Pressly, Sr.</b>		
Inventor's Signature and Date:	Date:		
Residence Address and Citizenship:	<b>Greer, South Carolina</b>	Citizenship	<b>U.S.A.</b>
Post Office Address:	<b>112 Caedmon Court, Greer, South Carolina 29650</b>		
Name of Additional Joint Inventor, if any:	<b>Samuel G. Brockway</b>		
Inventor's Signature and Date:	Date:		
Residence Address and Citizenship:	<b>Lawrenceville, Georgia</b>	Citizenship	<b>U.S.A.</b>
Post Office Address:	<b>P.O. Box 1181, Lawrenceville, Georgia 30246</b>		
Name of Additional Joint Inventor, if any:	<b>Charles A. Vaughn, Sr.</b>		
Inventor's Signature and Date:	Date:		
Residence Address and Citizenship:	<b>Greenville, South Carolina</b>	Citizenship	<b>U.S.A.</b>
Post Office Address:	<b>6 Gulf View Lane, Greenville, South Carolina 29609</b>		
Name of Additional Joint Inventor, if any:	<b>Thomas R. Ellis</b>		
Inventor's Signature and Date:	Date:		
Residence Address and Citizenship:	<b>Lawrenceville, Georgia</b>	Citizenship	<b>U.S.A.</b>
Post Office Address:	<b>238 Mill Ridge Court, Lawrenceville, Georgia 30245</b>		

**FOR THE PURPOSES OF INFORMATION ONLY**

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
BR	Brazil	IL	Israel	MW	Malawi	UG	Uganda
BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						